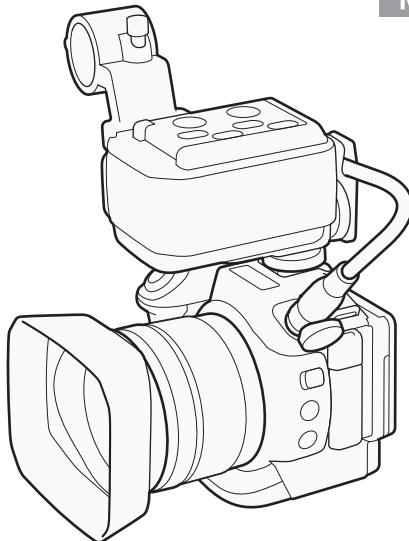


# XC15



This guide introduces only basic functions. To download the Instruction Manual, which contains more advanced information, refer to page 7.

## 4K Camcorder **Quick Guide**

Ce guide présente uniquement les fonctions de base. Pour télécharger le mode d'emploi contenant des informations plus approfondies, consultez la page 6.

## Caméscope 4K **Guide rapide**

Esta guía solo muestra las funciones básicas. Para descargar el manual de instrucciones, que contiene información más avanzada, consulte la página 5.

## Videocámara 4K **Guía breve**

English

Français

Español



XF-AVC

HDMI



# Important Usage Instructions

**WARNING** – To reduce the risk of electric shock, do not expose this product to dripping or splashing.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

**WARNING**

TO REDUCE THE RISK OF ELECTRIC SHOCK AND TO REDUCE ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Water and Moisture - Hazard of electric shock - Do not use this product near water or in rainy/moist situations.

Objects and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Be careful not to spill liquid of any kind onto the product.

**COPYRIGHT WARNING:**

Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.

**FCC NOTICE**

4K Camcorder, XC15 Systems.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual.

If such changes or modifications should be made, you could be required to stop operation of the equipment.

**Model ID0080 (including WLAN Module Model RF400, FCC ID: AZD400)**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. This model has been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules.

Compliance with FCC requirement 15.407(c) Data transmission is always initiated by software, which is passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Frequency Tolerance: 25 ppm

Canon U.S.A., Inc.  
One Canon Park, Melville, NY 11747, USA  
Tel No. 1-800-OK-CANON (1-800-652-2666)

The Mains plug is used as the disconnect device. The Mains plug shall remain readily operable to disconnect the plug in case of an accident.

CA-945 identification plate is located on the bottom.



**CAUTION:**  
TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK). NO  
USER-SERVICEABLE PARTS INSIDE. REFER  
SERVICING TO QUALIFIED SERVICE  
PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

# Important Safety Instructions

In these safety instructions the word "apparatus" refers to the Canon 4K Camcorder XC15 and all its accessories.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding

prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAN ICES-3(B)/NMB-3(B)

## REGIONS OF USE

XC15 is in compliance (as of June 2016) with the radio signal regulations of the regions listed below. For details on other regions where they can be used, make inquiries with the contacts listed on the back cover of this guide.

### REGIONS

Canada, Hong Kong S.A.R., South Korea, Taiwan, USA

### Model

ID0080: XC15

## Precautions About the Battery Pack

### DANGER!

Treat the battery pack with care.

- Keep it away from fire (or it might explode).
- Do not expose the battery pack to temperature higher than 60 °C (140 °F). Do not leave it near a heater or inside a car in hot weather.
- Do not try to disassemble or modify it.
- Do not drop it or subject it to shocks.
- Do not get it wet.

## Important Note about the Recording Media

- Observe the following precautions while the ACCESS indicator is on or flashing in red. Failure to do so may result in permanent data loss or damage to the recording media.
  - Do not disconnect the camcorder's power source or turn off the camcorder.
  - Do not open the recording media slot cover.
  - Do not change the camcorder's operating mode.

## Viewing the Certification Logo

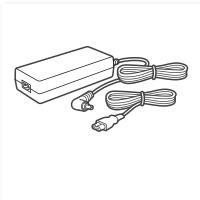
You can open the [1 System Setup]  [5] (in  mode) or [4] (in  mode)  [Certification Logo Display] screen to view some certification information for this camcorder.

## Trademark Acknowledgements

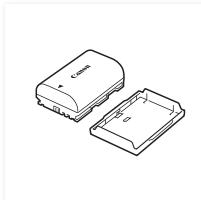
- SD, SDHC and SDXC Logos are trademarks of SD-3C, LLC.
- Canon is an authorized licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions.
- Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- Apple, App Store, Mac OS, Final Cut Pro are trademarks of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Avid and Media Composer are trademarks or registered trademarks of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries.
- Wi-Fi is a registered trademark of the Wi-Fi Alliance.
- Wi-Fi Certified, WPA, WPA2, and the Wi-Fi Certified logo are trademarks of the Wi-Fi Alliance.
- WPS as used on the camcorder's settings, onscreen displays and in this manual signifies Wi-Fi Protected Setup.
- The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance.
- JavaScript is a trademark or registered trademark of Oracle Corporation, its affiliates or subsidiaries in the United States and other countries.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- Other names and products not mentioned above may be trademarks or registered trademarks of their respective companies.
- This device incorporates exFAT technology licensed from Microsoft.
- This product is licensed under AT&T patents for the MPEG-4 standard and may be used for encoding MPEG-4 compliant video and/or decoding MPEG-4 compliant video that was encoded only (1) for a personal and noncommercial purpose or (2) by a video provider licensed under the AT&T patents to provide MPEG-4 compliant video. No license is granted or implied for any other use for MPEG-4 standard.

## Supplied Accessories

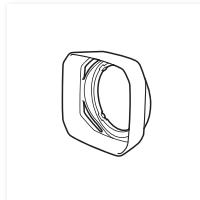
The following accessories are supplied with the camcorder.



CA-945 AC Adapter  
(incl. power cord)



LP-E6N Battery Pack  
(incl. protective cover)



Lens Hood



Viewfinder Unit  
(incl. viewfinder unit cover)



Lens Cap



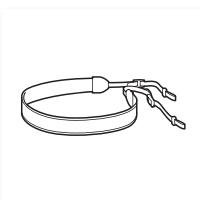
MA-400 Microphone Adapter



UN-5 Unit Cable



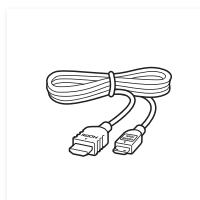
Cable Clamp



Shoulder Strap



IFC-300PCU/S USB Cable



HTC-100/S High Speed HDMI  
Cable

## Table of Contents

06	Supplied Accessories
08	Names of Parts
15	Onscreen Icons and Displays
20	Step 1: Charging the Battery Pack
23	Step 2: Preparing the Camcorder
26	Step 3: Date, Time and Language Settings
28	Step 4: Basic Operation of the Camcorder
31	Step 5: Preparing Recording Media
34	Recording Video and Taking Photos
37	Playback
40	Connecting to an External Monitor
41	Saving Clips to a Computer
42	Overview of Wi-Fi Functions
43	Abridged Specifications

### About the Camcorder's Wi-Fi Functions

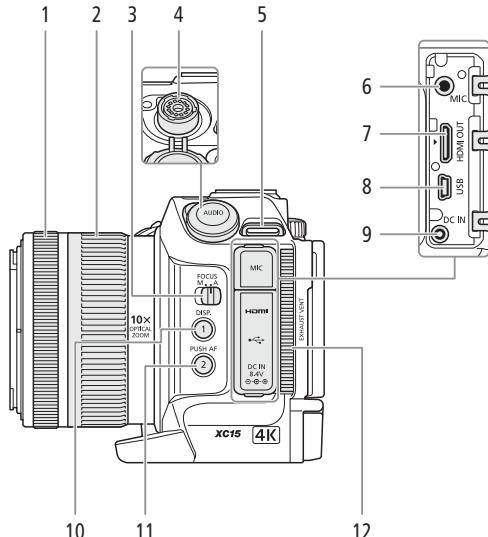
You can enjoy a variety of Wi-Fi functions with your camcorder. To read about all the convenient ways you can use your camcorder using Wi-Fi, refer to the full-version Instruction Manual (PDF file).

### Downloading the Full-version Instruction Manual (PDF File)

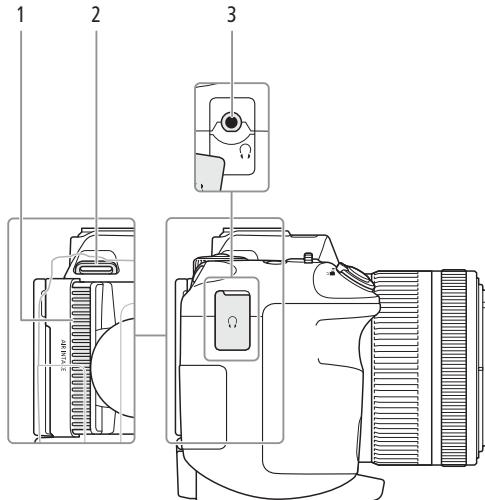
To learn how to use the more advanced functions, to read important handling precautions and to consult the troubleshooting section if an error message is displayed, download the full-version Instruction Manual (PDF file). Access the following Web site. Click on your country/region and follow the onscreen instructions to download the PDF file.

[www.canon.com/icpd](http://www.canon.com/icpd)

## Names of Parts

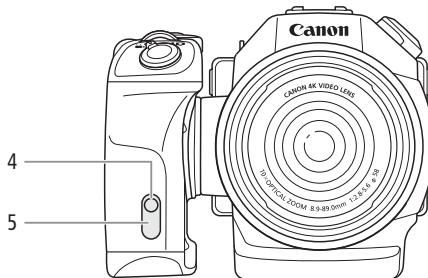


- 1 Focus ring (☞PDF 74)
- 2 Zoom ring (☞PDF 73)
- 3 FOCUS (focus mode) switch (☞PDF 74)
- 4 AUDIO terminal (☞PDF 24)
- 5 Shoulder strap mount (☞PDF 27)
- 6 MIC (microphone) terminal (☞PDF 87)
- 7 HDMI OUT terminal (☞PDF 121)
- 8 USB terminal (☞PDF 100)
- 9 DC IN terminal (☞20)
- 10 DISP. (display) button (☞PDF 51)/Assignable button 1 (☞PDF 105)
- 11 PUSH AF (momentary autofocus) button (☞PDF 79)/Assignable button 2 (☞PDF 105)
- 12 Exhaust ventilation outlet (☞PDF 52)



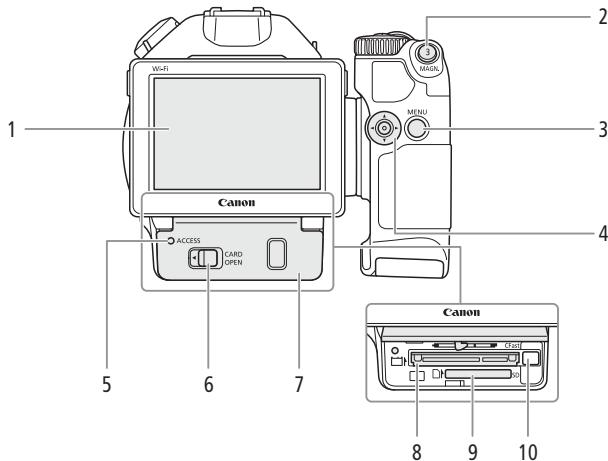
1 Air intake vent (☞PDF 52)  
2 Shoulder strap mount (☞PDF 27)

3 (headphone) terminal (☞PDF 93)

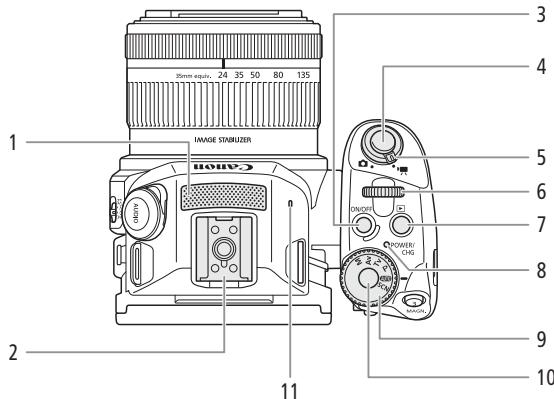


4 Tally lamp (☞PDF 42)

5 Remote sensor (☞PDF 40): For operating the camcorder with the optional RC-6 Remote Controller.



1	LCD touch screen (25)	6	CARD OPEN (open recording media slot cover) lever (31)
2	MAGN. (magnification) button (PDF 77)/ Assignable button 3 (PDF 105)	7	Recording media slot cover
3	MENU button (PDF 30)	8	CFast card slot (31)
4	Joystick (PDF 30)	9	SD card slot (31)
5	ACCESS indicator (31)	10	CFast card release button (PDF 35)



1 Built-in microphone (☞ [PDF](#) 87)

2 Accessory shoe (☞ 23, ☞ [PDF](#) 87):  
For attaching the supplied MA-400  
Microphone Adapter.

3 ON/OFF button (☞ 26)

4 START/STOP button (☞ 34)/PHOTO  
button (☞ 34): When you are  
recording video clips, this button is  
referred to in this manual as the  
START/STOP button; when you are  
shooting photos, it is referred to as the  
PHOTO button.

5 Movie/photo switch (☞ 28)

6 Control dial (☞ [PDF](#) 55)

7 ▶ (playback) button (☞ [PDF](#) 108)

8 POWER/CHG (power/battery charging)  
indicator (☞ 20)

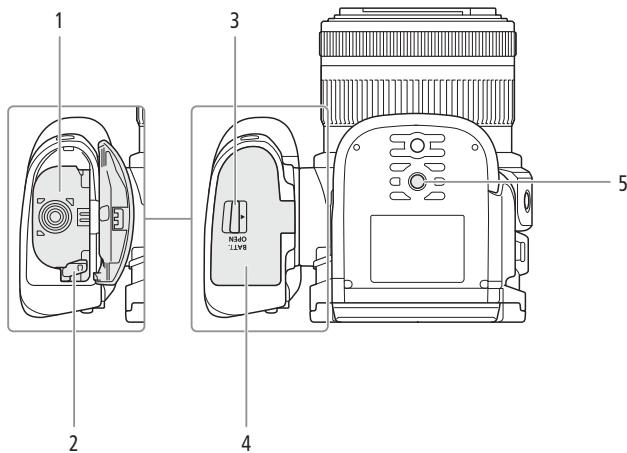
9 Shooting mode dial (☞ [PDF](#) 55)

10 Shooting mode dial button (☞ [PDF](#) 55)

11 Built-in speaker (☞ [PDF](#) 113)

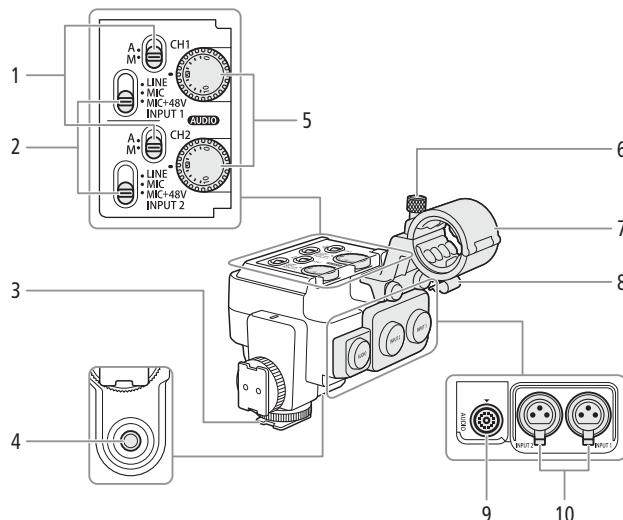
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## Names of Parts



- 1 Battery compartment
- 2 Battery release latch (☞ 20)
- 3 BATT. OPEN (open battery compartment) switch (☞ 20)
- 4 Battery compartment cover (☞ 20)
- 5 Tripod socket (☞ PDF 27)

## MA-400 Microphone Adapter



1 Audio recording level switches for CH1 (top) and CH2 (bottom) (☞ [PDF](#) 90)

2 INPUT 1 (top)/ INPUT 2 (bottom) switches (audio source selection) (☞ [PDF](#) 88)

3 Attachment base

4 Socket for 0.64 cm (1/4") screws

5 **AUDIO** (audio level) dials for CH1 (top) and CH2 (bottom) (☞ [PDF](#) 90)

6 Microphone lock screw (☞ 23)

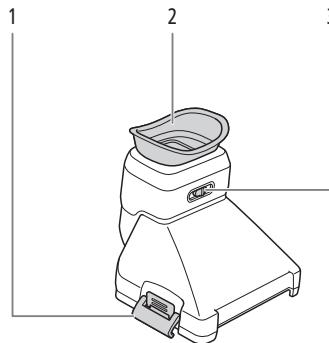
7 Microphone holder: For microphones with a diameter of Ø19 mm to 20 mm (0.75" to 0.79").

8 Microphone cable clamp

9 AUDIO terminal (☞ 23)

10 INPUT 1 (right) and INPUT 2 (left) terminals (☞ [PDF](#) 88): For microphones and external audio sources with an XLR connector.

## Viewfinder unit



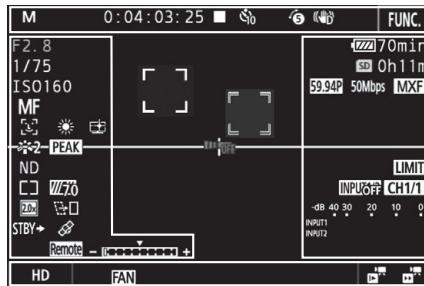
1 Viewfinder unit latch (☞PDF 22)      3 Diopter adjustment lever (☞PDF 23)  
2 Eye cup

# Onscreen Icons and Displays

Refer to this section for an explanation of the various icons and screen displays that appear in  and  modes. They may differ depending on the shooting mode and settings in the FUNC. menu and setup menus.

Some icons that appear in  mode also appear in  mode. If the camcorder is in  mode and you do not find an icon in these tables for  mode, refer to *Icons that appear during  mode* (18).

## Icons that appear during mode



## Icons on the top of the screen

Icon/Display	Description	
<b>M, Av, Tv, P, , , , , , , </b>	Shooting mode	55
0:00:00.00, 0:00:00:00	Time code	84
 , 	Recording operation  : recording,  : record standby	41
 ,  , 0, 	Self timer	99
	Appears when recording a photo in record standby mode.	43
	Pre-recording mode	97
 ,  , 	Image stabilizer	81
[FUNC.]	Button to open the FUNC. menu.	30, 137

## Icons on the left side of the screen

Icon/Display	Description	 PDF
F0.0	Aperture value	55, 58
1/0000, 000.00°	Shutter speed, shutter angle	55, 58
 ±0 0/0, 	 ±0 0/0: AE shift,  : exposure locked	65
ISO00000, 00.0dB	ISO00000: ISO speed, 00.0dB: gain	55
 	 : auto ISO limit,  : AGC limit	63
  0.0ft	Focus mode • While focusing in manual focus mode, the estimated distance to the subject will be displayed as well.	74, 76
	Face detection and tracking	79
	White balance	69
	Highlight priority look	71
	Looks	71
 	Peaking	77
ND	ND filter	140
	Light metering mode	68
 	Zebra patterns	82
	Digital tele-converter	73
	Rolling shutter distortion reduction	140
STBY ➡, REC ➡	HDMI recording command	145
	GPS signal: continuously on - satellite signal acquired; flashing - satellite signal not acquired. • Displayed only when an optional GP-E2 GPS Receiver is connected to the camcorder.	100
	Browser Remote: in white – preparations for connections completed; in yellow – connecting to or disconnecting from the control device.	131
	Exposure bar	58

## Icons in the center of the screen

Icon/Display	Description	 PDF
 OFF	Remote sensor disabled	40
 —	Onscreen markers	82
 —	Face detection. When a face is detected, a white frame will appear around the main subject's face.	79
 —	User-selected tracking frame	79

## Icons on the right side of the screen

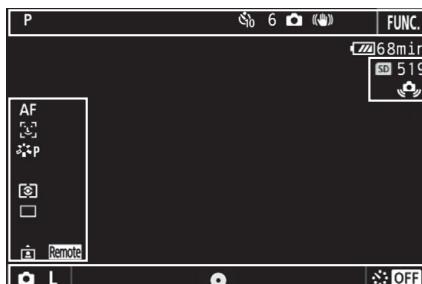
Icon/Display	Description	 PDF
     000 min	Remaining battery charge The icon shows an estimate of the remaining charge. The remaining recording time is displayed, in minutes, next to the icon. <ul style="list-style-type: none"><li>When  is displayed, replace the battery pack with a fully charged one.</li><li>Depending on the conditions of use, the actual battery charge may not be indicated accurately.</li></ul>	—
 	Recording a photo. If an SD card error occurs,  will appear instead.	43
 0h00m,  0h00m	Recording media status and available recording time estimate <ul style="list-style-type: none"><li>The remaining available space is displayed, in minutes, next to the icon.</li><li>When the icon appears in red followed by [END], there is no more available space and recording will stop.</li></ul>	—
 —	Zoom indicator	73
 59.94P,  59.94I,  29.97P,  23.98P,  24.00P 000Mbps	Frame rate Bit rate	53
 MXF	Movie format	—
 —	INPUT terminals deactivated	88
 LMT	Audio peak limiter	90
 CH1/1,  CH2/2,  CH1+2/1+2	Audio output channel	120
	Audio recording level	89, 91

## Onscreen Icons and Displays

### Icons on the bottom of the screen

Icon/Display	Description	 PDF
[4K], [HD]	Button to open the [4K/HD] submenu and currently selected recording resolution (4K/HD).	53
	When the camcorder's internal temperature has risen to a predetermined level,  will appear in yellow. If it continues to rise,  will appear in red.	148
	Cooling fan operation	52
	Magnification (focus assistance function)	77
 x1/4, x1/2  x2, x4, x10, x20, x60, x120, x1200	Button to open the [Slow & Fast Motion] submenu. Currently selected slow motion rate. Currently selected fast motion rate.	96

### Icons that appear during mode



### Icons on the top of the screen

Icon/Display	Description	 PDF
 0,  0, 	Self timer	99

### Icons on the left side of the screen

Icon/Display	Description	 PDF
	Looks	71
	Light metering mode	68
	Drive mode	44
	Orientation detection	102

## Icons on the right side of the screen

Icon/Display	Description	 PDF
 000	Recording media and available number of photos.	–
	Camcorder shake warning • If this icon appears, we recommend stabilizing the camcorder, for example, by mounting it on a tripod.	–

## Icons on the bottom of the screen

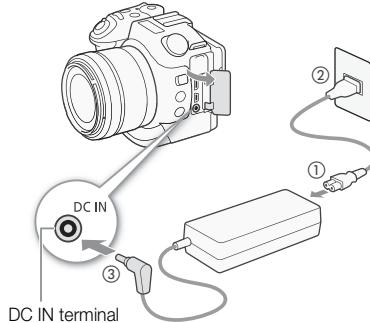
Icon/Display	Description	 PDF
 L,  S	Button to open the [Photo Aspect Ratio] submenu and currently selected photo size (L or S).	44
	Indicates whether the focus and/or exposure is locked while the PHOTO button is pressed halfway. • In green – focus and exposure are locked (during auto focus mode); exposure is locked (manual focus mode). • In yellow (flashing) – focus is not locked. If the zoom is operated while the icon is green in autofocus mode, it will start flashing in yellow. • In white (flashing) – the camcorder is attempting to focus on the subject.	–
 OFF,  5sec,  10sec,  30sec,  1min,  10min	Button to open the [Interval Recording] submenu and currently selected interval length.	98

## Step 1: Charging the Battery Pack

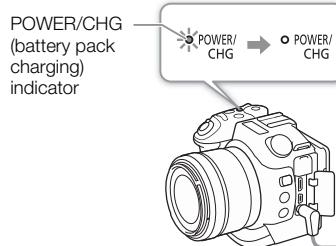
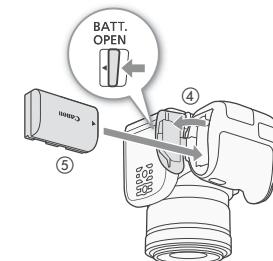
The camcorder can be powered with a battery pack or directly using the AC adapter. The first time you use the camcorder, charge the battery pack.

For approximate charging times and recording/playback times with a fully charged battery pack, refer to *Recording and Playback Times* (☞PDF 166).

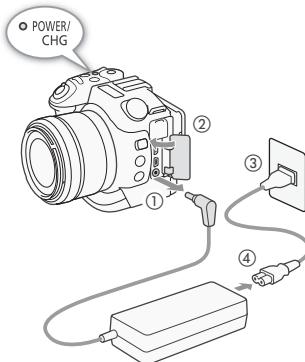
- 1 Connect the power cord to the AC adapter.
- 2 Plug the power cord into a power outlet.
- 3 Connect the AC adapter to the camcorder's DC IN terminal.



- 4 Slide the BATT. OPEN switch in the direction of the arrow and open the battery compartment cover.
- 5 Insert the battery pack all the way into the compartment as shown in the illustration.
  - Push it all the way in until the battery release latch secures it in place.
- 6 Close the battery compartment cover.
  - Push the cover until you hear a click. Do not force the cover closed if the battery pack is not correctly inserted.
- 7 Charging will start when the camcorder is turned off.
  - If the camcorder was on, the green POWER/CHG indicator will go out when you turn off the camcorder. After a moment, the POWER/CHG indicator will illuminate in red (battery pack charging). The red POWER/CHG indicator will go out when the battery pack is fully charged.
  - If the indicator flashes, refer to *Troubleshooting* (☞PDF 146).

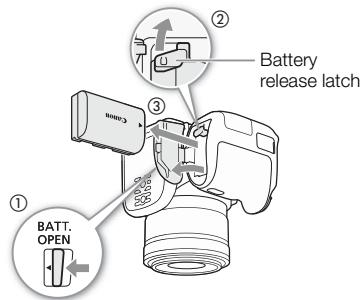


8 Disconnect the AC adapter in the order shown in the illustration.



#### To remove the battery pack

Open the battery compartment cover and slide the battery release latch in the direction of the arrow so the battery pack springs out. Remove the battery pack and close the cover.



#### Charging Times

Charging the supplied battery pack will take approximately 4 hours. The following table shows the typical recording and playback times for a fully charged battery pack using the listed frame rate and bit rate. Actual times will vary according to factors such as frame rate, and charging, recording or playback conditions. For more comprehensive information, refer to *Recording and Playback Times* (☞ [PDF](#) 166).

Frame rate / Bit rate	Recording (typical)*	Playback
29.97P / 305 Mbps	70 min.	150 min.
59.94P / 50 Mbps	75 min.	185 min.

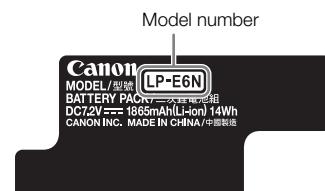
\* Typical recording times measure recording with repeated operations such as start/stop recording and power on/off.

## **!** IMPORTANT

- Turn off the camcorder before connecting or disconnecting the AC adapter. After you turn off the camcorder, important data is updated on the recording media. Be sure to wait until the green POWER/CHG indicator goes out.
- When using the AC adapter, do not fix it permanently to one place as this may cause a malfunction.
- Do not connect to the camcorder's DC IN terminal or to the AC adapter any electrical equipment that is not expressly recommended for use with this camcorder.
- To prevent equipment breakdowns and excessive heating, do not connect the supplied AC adapter to voltage converters for overseas travels or special power sources such as those on aircraft and ships, DC-AC inverters, etc.

## **i** NOTES

- You cannot charge the optional LP-E6 Battery Pack with the camcorder. Check the bottom label of the battery pack and make sure it is an LP-E6N Battery Pack.
- We recommend charging the battery pack in temperatures between 10 °C and 30 °C (50 °F and 86 °F). If either the ambient temperature or the battery pack's temperature is outside the range of approx. 0 °C to 40 °C (32 °F to 104 °F), charging will not start.
- The battery pack will be charged only when the camcorder is off.
- If the power supply was disconnected while charging a battery pack, make sure the POWER/CHG indicator has gone out before restoring the power supply.
- If remaining battery time is an issue, use the AC adapter to power the camcorder from a power outlet so the battery pack will not be consumed.
- Charged battery packs continue to discharge naturally. Therefore, charge them on the day of use, or the day before, to ensure a full charge.
- We recommend that you prepare battery packs to last 2 to 3 times longer than you think you might need.
- **USA and Canada only:** The Lithium ion/polymer battery that powers the product is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.
- **For CA, USA only**  
Included lithium battery contains Perchlorate Material - special handling may apply.  
See [www.dtsc.ca.gov/hazardouswaste/perchlorate/](http://www.dtsc.ca.gov/hazardouswaste/perchlorate/) for details.



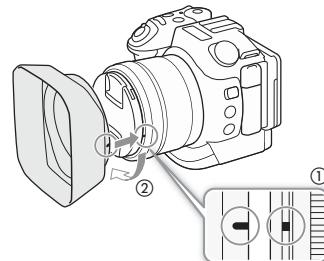
## Step 2: Preparing the Camcorder

### Attaching the Lens Hood

Attach the lens hood to protect the lens and reduce the amount of stray light that may hit the lens.

Place the lens hood on the front of the lens so that the hood's lens mount index covers the index on the lens (①) and turn it 90 degrees clockwise until it clicks (②).

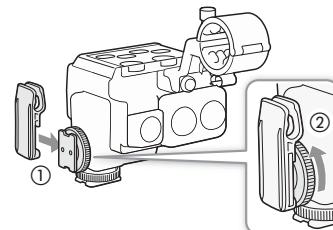
- Be careful not to deform the lens hood.
- Make sure that the lens hood is aligned with the thread.



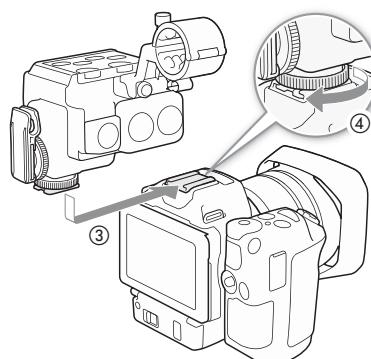
### Attaching the MA-400 Microphone Adapter

By attaching the microphone adapter to the camcorder, you can use the INPUT terminals to record audio from commercially available microphones or analog line in sources with an XLR connector. The microphone adapter is powered by the camcorder's power supply.

- 1 Attach the supplied cable clamp to the attachment base at the back of the microphone adapter (①) and tighten the lock screw (②).



- 2 Insert the attachment base at the bottom of the microphone adapter (③) to the camcorder's accessory shoe and tighten the lock screw (④).

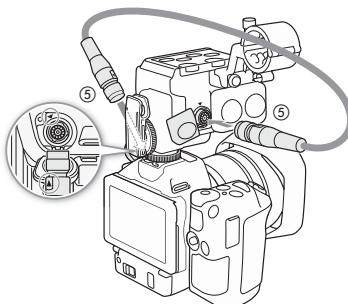


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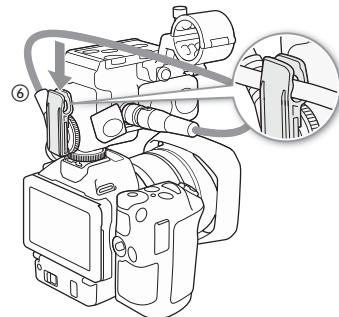
## Step 2: Preparing the Camcorder

3 Using the supplied unit cable, connect the microphone adapter's AUDIO terminal to the camcorder's AUDIO terminal (5).

- Align the ▲ marks on the unit cable's plugs and terminals.
- The unit cable's connectors are interchangeable and either end can be plugged into either terminal.

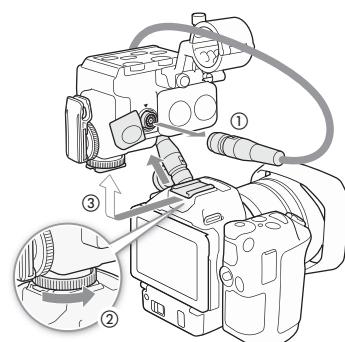


4 Put the unit cable through the cable clamp (6).

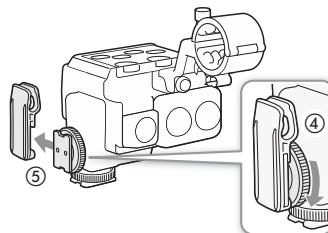


## Removing the Microphone Adapter

- 1 Remove the unit cable from the cable clamp.
- 2 Disconnect the unit cable from the camcorder's and the microphone adapter's AUDIO terminals (1).
  - Pull back the metallic tip of the plug and then disconnect the cable from the terminal.
- 3 Unscrew the lock screw at the bottom of the microphone adapter (2) and then gently slide out the microphone adapter from the camcorder's accessory shoe (3).

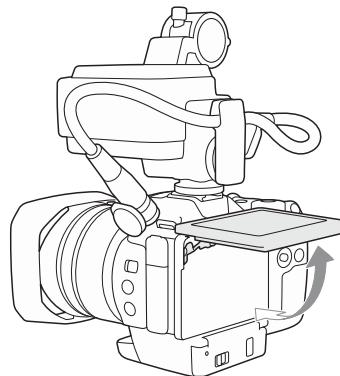


4 Unscrew the lock screw at the back of the microphone adapter (4) and then remove the cable clamp (5).



## Using the LCD Panel

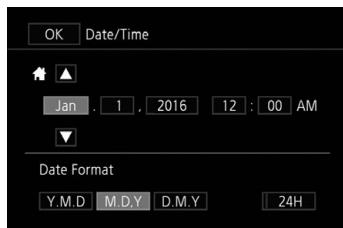
Pull out the LCD panel and adjust it to a comfortable viewing angle.



## Step 3: Date, Time and Language Settings

### Setting the Date and Time

You will need to set the date and time of the camcorder before you can start using it. When the camcorder's clock is not set, the [Date/Time] screen will appear automatically with the month selected.



1 Press the ON/OFF button to turn on the camcorder.

- The POWER/CHG indicator will illuminate and the [Date/Time] screen will appear.

2 Touch a field you want to change (year, month, day, hours or minutes).

- You can also push the joystick (◀▶) to move between the fields and then press the joystick to make your selection.

3 Touch [▲] or [▼] to change the field as necessary.

- You can also push the joystick (▲▼) to change the field.

4 Set the correct date and time by changing all the fields in the same way.

5 Touch [Y.M.D], [M.D.Y] or [D.M.Y] to select the date format you prefer.

- You can also push the joystick (◀▶) to move between the fields and then press the joystick to make your selection.
- In some screens, the date will be displayed in short form (numbers instead of month names or only the day and month), but it will still follow the order you selected.

6 Touch [24H] to use 24-hour clock or leave it unselected to use 12-hour clock (AM/PM).

- You can also push the joystick (◀▶) to move between the fields and then press the joystick to make your selection.

7 Touch [OK] to start the clock and close the setup screen.

- You can also push the joystick (◀▶) to move between the fields and then press the joystick to make your selection.

### NOTES

- You can adjust the date and time later on with the [System Setup] ➡ [1] ➡ [Date/Time] setting.
- When you do not use the camcorder for about 3 months, the built-in rechargeable lithium battery may discharge completely and the date and time setting may be lost. In such case, recharge the built-in lithium battery (☞PDF 157) and set the time zone, date and time again.

## Changing the Language

The default language of the camcorder is English. You can set it to one of 27 languages.

1 Press the MENU button.

2 Open the [Language ] screen.

[ System Setup]  [1]  [Language ]

3 Touch the desired language and then touch [OK].

4 Touch [] to close the menu.

### NOTES

- Some buttons, such as [FUNC.] and [MENU], will appear in English regardless of the language selected.

## Changing the Time Zone

Change the time zone to match your location. The default setting is New York. In addition, the camcorder is able to retain the date and time of an additional location. This is convenient when you travel so that you can set the camcorder to match the time of your home location or that of your travel destination.

1 Press the MENU button.

2 Open the [Time Zone/DST] screen.

[ System Setup]  [1]  [Time Zone/DST]

3 Touch [] to set the home time zone, or [] to set the time zone of your destination when you are traveling.

4 Touch [] or [] to set the desired time zone. If necessary, touch [] to adjust for daylight saving time.

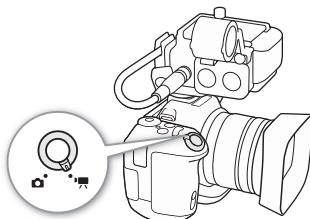
5 Touch [] to close the menu.

## Step 4: Basic Operation of the Camcorder

Depending on how you plan to shoot, you may need to switch between shooting movies and shooting photos. Before you shoot, you can also select a shooting mode, which can give you the freedom of adjusting the camcorder's camera-related settings or allow you to entrust the settings to the camcorder to varying degrees, depending on the mode. After you finish recording, you can check your recordings by switching the camcorder to playback mode.

### Switching Between Movies and Photos

To shoot video clips, set the movie/photo switch to ; to shoot photos, set it to .

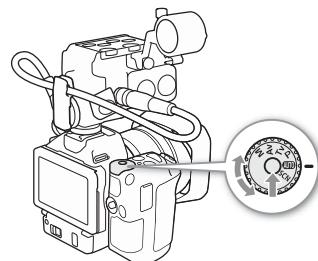


### Setting the Shooting Mode

You can select a shooting mode to match your shooting style.

While pressing down the shooting mode dial button, turn the shooting mode dial to the desired mode.

- For details on the various shooting modes, refer to *Shooting Modes* ( 55).

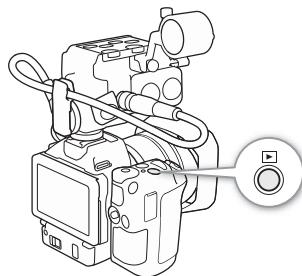


### Switching Between Recording and Playback

With a single press of a button, the camcorder can easily switch between recording mode and playback mode.

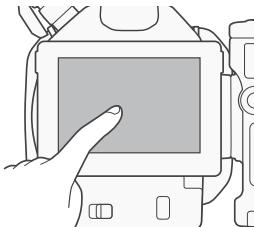
For details, refer to *Playback* ( 37).

Hold the  button pressed down.

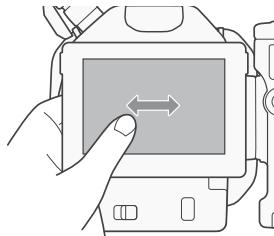


## Using the Touch Screen

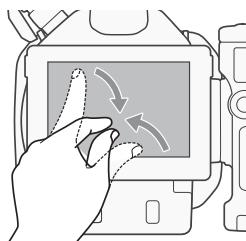
The buttons and menu items that appear on the touch screen change dynamically depending on the operating mode and the task you are performing. With the intuitive touch screen interface you have all the controls at your fingertips.



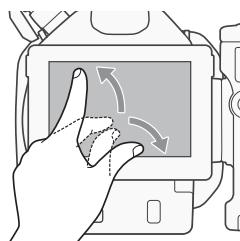
Touch



Drag



Pinch in



Pinch out

### Touch

Press on an element displayed on the touch screen.

Used to start playing back a recording in an index screen, to select a setting from the menus, etc.

### Drag

Swipe your finger up and down or left and right across the screen. Used to scroll menus, to browse through index screen pages or to adjust slider controls like the volume.

### Pinch In

Place two fingers on the screen and bring them together.

Used when playing back clips and photos. Pinch your fingers in to return to the index screen. Also used during photo playback to zoom out from a photo that has been zoomed in.

### Pinch Out

Place two fingers on the screen and move them apart.

Used on an index screen during playback. Pinch your fingers out to start playing back the clip. Also used during photo playback to zoom in on the photo.



#### IMPORTANT

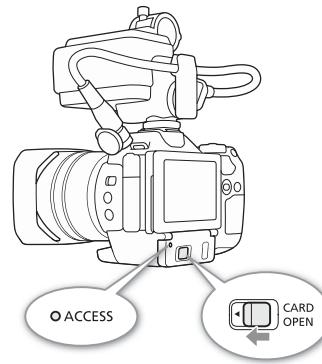
- The camcorder features a capacitive touch screen. In the following cases, you may not be able to perform touch operations correctly.
  - Using your fingernails or hard-tipped objects, such as ballpoint pens.
  - Operating the touch screen with wet or gloved hands.
  - Applying excessive force or forcefully scratching the touch screen.
  - Attaching commercially available screen protectors or adhesive film onto the touch screen's surface.

## Step 5: Preparing Recording Media

The camcorder records 4K clips to CFast cards, and HD clips and photos to  SD,  SDHC and  SDXC memory cards. Initialize recording media ( 38) when you use them with this camcorder for the first time. In the case of SD cards, initialize using the [Complete Initialization] option. See *Compatible Recording Media* ( 35) for recording media you can use.

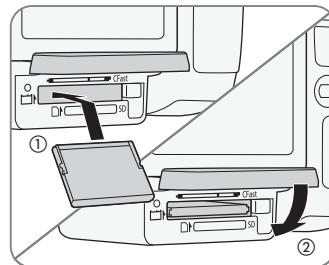
### Inserting a CFast Card

- 1 Turn off the camcorder.
- 2 Slide the CARD OPEN switch in the direction of the arrow and open the recording media slot cover.



- 3 Insert the CFast card straight, with the label facing up all the way into the slot ①.
- 4 Close the recording media slot cover ②.

- Make sure that you insert the CFast card into the slot so that the connectors in the card match the orientation shown on the illustration to the left of the CFast card slot.
- Do not force the cover closed if the CFast card is not correctly inserted.



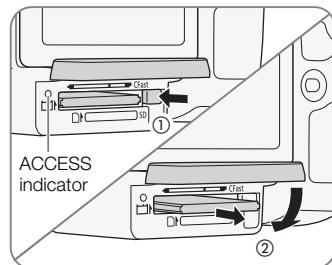
ACCESS indicator	Recording media status
On or flashing	Accessing the recording media.
Off	A recording media is not inserted or it is not being accessed.

#### **IMPORTANT**

- Turn off the camcorder before inserting or removing recording media. Inserting or removing the recording media with the camcorder on may result in permanent data loss.
- CFast cards have front and back sides that are not interchangeable. Inserting a CFast card facing the wrong direction can cause a malfunction of the camcorder. Be sure to insert the CFast card as described in the procedure above.

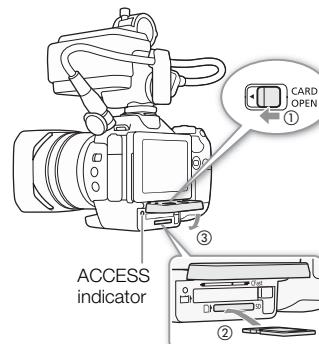
## Removing a CFast card

- 1 Turn off the camcorder.
  - Wait until the ACCESS indicator is off.
- 2 Slide the CARD OPEN switch in the direction of the arrow and open the recording media slot cover ①.
- 3 Push in the CFast card release button to release the CFast card.
- 4 Pull the CFast card all the way out and close the recording media slot cover ②.



## Inserting and Removing an SD Card

- 1 Turn off the camcorder.
  - Wait until the ACCESS indicator is off.
- 2 Slide the CARD OPEN switch in the direction of the arrow and open the recording media slot cover ①.
- 3 Insert the SD card, with the label facing up, all the way into the SD card slot until it clicks ②.
  - To remove the SD card, push the SD card once to release it. When the SD card springs out, pull it all the way out.
- 4 Close the recording media slot cover ③.
  - Do not force the cover closed if the SD card is not correctly inserted.



ACCESS indicator	Recording media status
On or flashing	Accessing the recording media.
Off	A recording media is not inserted or it is not being accessed.

**!** **IMPORTANT**

- Turn off the camcorder before inserting or removing recording media. Inserting or removing the recording media with the camcorder on may result in permanent data loss.
- SD cards have front and back sides that are not interchangeable. Inserting an SD card facing the wrong direction can cause a malfunction of the camcorder. Be sure to insert the SD card as described in the procedure above.

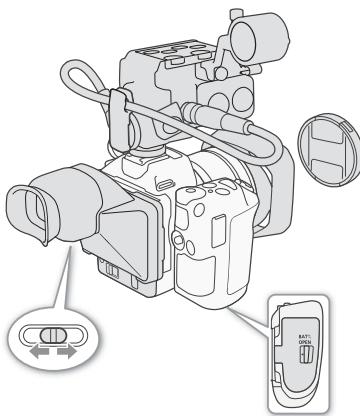
**!** **NOTES**

- SD cards have a physical switch to prevent writing on the card so as to avoid the accidental erasure of the card's content. To write-protect the SD card, set the switch to the LOCK position.

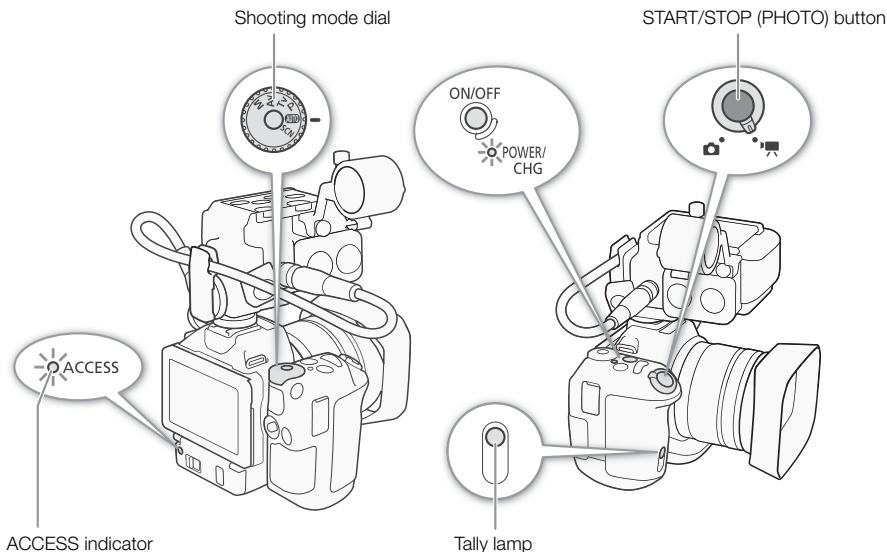
# Recording Video and Taking Photos

## Preparing to Record

- 1 Remove the lens cap.
- 2 Attach the lens hood and, if necessary, attach the viewfinder unit (☞PDF 22) and MA-400 Microphone Adapter (☞23).
- 3 Insert a charged battery pack into the camcorder (☞20).
- 4 Insert recording media as necessary (☞31, 32).
  - Insert a CFast card to record 4K clips; insert an SD card to record HD clips and photos.
- 5 Attach and adjust the viewfinder unit, if necessary (☞PDF 23).



## Recording



- 1 Set the movie/photo switch to  to record clips or  to take photos.
- 2 Set the shooting mode dial to the desired shooting mode.
- 3 Press the ON/OFF button to turn on the camcorder.
  - The POWER/CHG indicator will illuminate in green.

#### To shoot clips

- 4 Press the START/STOP button.
  - Recording starts. The tally lamp illuminates and the  icon at the top of the screen changes to .
  - The ACCESS indicator flashes in red intermittently as the camcorder records to the recording media.
  - You can also take a photo while recording a clip ( 43).
  - You can select the size of recorded photos ( 44).
- 5 Press the START/STOP button to stop the recording.
  - The clip is recorded on the recording media and the camcorder enters record standby mode. The tally lamp will also go out.
- 6 Press and hold the ON/OFF button until the POWER/CHG indicator goes out.
  - Make sure the ACCESS indicator has also gone out.

#### To take photos

- 4 Press the PHOTO button halfway.
  - **When the FOCUS switch is set to A (autofocus):** If the subject is not in focus,  will flash in yellow. Once the focus is automatically adjusted,  will turn green and one or more AF (autofocus) frames will appear. You can also change the autofocus method ( 74).
- 5 Press the PHOTO button fully.
  - The ACCESS indicator flashes in red intermittently as the camcorder records to the recording media.
- 6 Press and hold the ON/OFF button until the POWER/CHG indicator goes out.
  - Make sure the ACCESS indicator has also gone out.

## Selecting the Resolution (Recording in 4K or HD)

This camcorder allows you to record clips in 4K or HD. The resolution (frame size) of 4K clips is 3840x2160 while that of HD clips is 1920x1080. Note that 4K clips are saved to the CFast card and HD clips are saved to the SD card.

- 1 Touch [4K] or [HD] on the bottom left of the screen.
  - The icon will show the currently selected option.
  - Alternatively, you can press the MENU button and select [Recording Setup] ➔ [1] ➔ [4K / HD].



- 2 Select the desired option and then touch [↶] or [✖].

## Selecting the Frame Rate and Bit Rate

Follow the procedure below to select the frame rate and bit rate. Choose the combination of frame rate and bit rate that best suits your needs.

- 1 Press the MENU button.
- 2 Open the [4K Recording] or [HD Recording] submenu.  
[Recording Setup] ➔ [1] ➔ [4K Recording] or [HD Recording]
- 3 Select the desired frame rate and bit rate option and then touch [✖].
  - Icons of the currently selected option will appear on the right side of the screen.

### NOTES

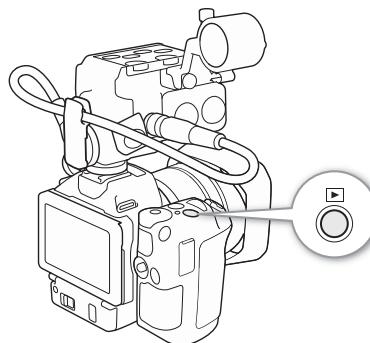
- You have the option to change the system frequency ( 53).

# Playback

## Playing Back Recordings

1 While the camcorder is turned off, hold the  button pressed down.

- The camcorder will turn on and an index screen will appear.
- If you hold the button pressed down again, the camcorder will switch to  or  mode, depending on the position of the movie/photo switch.



2 Touch the thumbnail of the desired recording to start playback.

- You can also use the joystick to select a recording.
- During playback, you can touch the screen or press the DISP. button to display the playback controls. You can use the touch panel or joystick to operate the playback controls.

### Playing back clips

- Playback will start from the selected clip until the end of the last clip in the index screen.
- From the playback controls, touch  to pause playback or touch  to stop playback and return to the index screen.

### Playing back photos

- After the photo appears, drag your finger left/right to browse through the photos one by one.
- You can also use the joystick to browse through the photos.
- From the playback controls, touch  to return to the index screen.

### NOTES

- You may notice brief stops in video or audio playback between clips.

## Using the Playback Index Screens

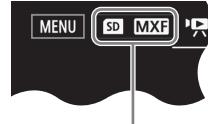
Clips and photos are sorted into different index screens depending on the type of recording. The [4K] index screen contains 4K clips, the [HD] index screen contains HD clips and the [ ] index screen contains photos. You can easily switch between index screens.

1 Touch the index screen button on the upper left of the screen.

2 Select the desired index screen.

- The index screen of the current recording type will appear.
-  will appear for clips recorded using the [Highlight Priority] look (PDF 71).

3 Touch the thumbnail of the desired recording to start playback.



Index screen button

## Deleting Recordings

### Deleting a Clip During Playback Pause

1 Play back the clip you want to delete.

2 Touch the screen to display the playback controls.

3 Delete the clip.

[II]  [ ]  [Yes]

- The clip is deleted.

4 Touch [OK].

## Deleting a Photo during Playback

- 1 Play back the photo you want to delete.
- 2 Touch the screen to display the playback controls.
- 3 Delete the photo.

[] ➔ [ Proceed] ➔ [Yes]

- The photo is deleted and the next photo is displayed. You can drag your finger left/right select another photo to delete and then touch [ Proceed] again.

- 4 Touch [].
- 5 In the playback controls, touch [].

### IMPORTANT

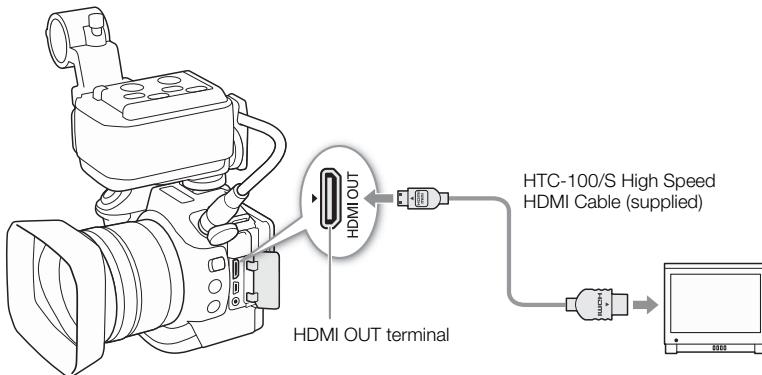
- Be careful when deleting recordings. Once deleted, they cannot be recovered.
- Save copies of important recordings before deleting them ( 122).

## Connecting to an External Monitor

When you connect the camcorder to an external monitor for recording or playback, connect the camcorder's HDMI™ OUT terminal to the monitor's HDMI input terminal using the supplied HTC-100/S High Speed HDMI Cable.

### Connection Diagram

We recommend that you power the camcorder from a power outlet using the AC adapter.



#### NOTES

- The HDMI OUT terminal is for output only. Do not connect the camcorder to another device's output terminal using the HDMI OUT terminal as this will cause a malfunction.
- When using a commercially available HDMI cable, make sure the HDMI cable is Type A to Type C.
- Audio and video will not be output from the HDMI OUT terminal while Wi-Fi functions are in use.
- Correct operation cannot be guaranteed when connecting the camcorder to DVI monitors.
- Video may not be output correctly depending on the monitor.
- When [ Camera Setup]  [3]  [Rolling Shutter Reduction] is set to [**ON** On ] and recording starts, HDMI output will stop.

## Saving Clips to a Computer

Use Canon XF Utility to save clips or one of the Canon XF plugins\* to import clips into non-linear editing (NLE) software. When using the software to transfer clips to a computer, make sure to use a compatible card reader. For the latest information on compatibility with commercially available non-linear (NLE) software, visit your local Canon Web site. Canon XF Utility and the Canon XF plugins are available as a free download from the following Canon Web site.

**[www.canon.com/icpd](http://www.canon.com/icpd)**

To download, click on your country/region and follow the onscreen instructions.

\* Plugins are available for NLE software by Avid and Apple.

Canon XF Utility: Browser for transferring clips to a computer and playing back, checking and managing clips. The software also allows you to capture photos from clips.

Plugins for non-linear editing (NLE) software: The plugins allow you to transfer clips from a computer or the recording media (connected via USB reader to a computer) to the NLE software. The following plugins are available.

- Canon XF Plugin 64 for Avid Media Access (Windows or Mac OS)
- Canon XF Plugin for Final Cut Pro X (Mac OS)

## Overview of Wi-Fi Functions

This camcorder's Wi-Fi functions use either an infrastructure or camera access point connection, depending on the function. Refer to the following table for a brief summary of the Wi-Fi functions.

### Wi-Fi functions and connection types

Function	Description	Wi-Fi connection		 PDF
		Infrastructure <sup>1</sup>	Camera Access Point <sup>2</sup>	
Browser Remote	Control the camcorder remotely from the Web browser of a connected device.	–	●	131
Playback via Browser	Access the photos on the SD card in the camcorder from the Web browser of a connected device to play back or save locally.	–	●	135
Media Server	Wirelessly view on a computer the photos on the camcorder's SD card.	●	–	136

<sup>1</sup> Connection to a Wi-Fi network via an external access point (wireless router, etc.)

<sup>2</sup> Direct connection to one Wi-Fi-enabled device where the camcorder serves as the Wi-Fi access point.

## Abridged Specifications

The specifications given here are **an abridged version** of the full specifications of the camcorder. Be sure to read the full version of the instruction manual for the complete information. See *Specifications* (☞PDF 161) for details.

- **Power Supply (rated):** 7.2 V DC (battery pack), 8.4 V DC (DC IN)
- **Power Consumption (screen at normal brightness)**  
When shooting 4K clips (305 Mbps, 29.97P): 6.2 W  
When shooting HD clips (50 Mbps, 59.94P): 5.7 W

## Optional Accessories

Canon offers a wide range of optional accessories for your camcorder. See *Optional Accessories* (☞PDF 159) for details.

### Use of genuine Canon accessories is recommended.

The message [Battery communication error] is displayed if you use a non-genuine Canon battery pack, and user response is required. Note that Canon shall not be liable for any damages resulting from accidents, such as malfunction or fire, that occur due to use of non-genuine Canon battery packs.



This mark identifies genuine Canon video accessories. When you use Canon video equipment, we recommend Canon-brand accessories or products bearing the same mark.

English

The information in this manual is verified as of June 2016. Subject to change without notice.

## CANON PROFESSIONAL DIGITAL VIDEO EQUIPMENT LIMITED WARRANTY FOR PRODUCTS PURCHASED IN THE UNITED STATES

The limited warranty set forth below is given by Canon U.S.A. Inc. ('Canon USA') with respect to Canon Professional Digital Video Equipment (the 'Equipment') packaged with this limited warranty and purchased in the United States. This limited warranty is only effective upon presentation of your Bill of Sale or other proof of purchase. The Equipment is warranted to the original end-user purchaser, when delivered in new condition in its original container, under normal use against defective materials or workmanship as follows:

**Parts:** Defective parts will be exchanged for new parts or comparable rebuilt parts for a period of ONE YEAR from the date of original purchase.

**Labor:** For a period of ONE YEAR from the date of original purchase, labor will be provided free of charge by Canon USA's factory service centers or designated service facilities located in the United States.

When returning Equipment under this warranty, you must pre-pay the shipping charges, and you must enclose a copy of the Bill of Sale or other proof of purchase with a complete explanation of the problem. During the ONE-YEAR warranty period, repairs will be made and the Equipment will be return-shipped to you free of charge. For repairs after the warranty period is over, you will be given an estimate of the cost of repair and an opportunity to approve or disapprove of the repair expense before it is incurred. If you approve, repairs will be made and the Equipment will be returned to you at your risk and expense. If you disapprove, we will return-ship the Equipment to you at no charge to you to an address within the United States.

**This limited warranty only applies if the Equipment is used in conjunction with compatible computer equipment and compatible software, as to which items Canon USA will have no responsibility. Canon USA shall have no responsibility under this limited warranty for use of the Equipment in conjunction with incompatible peripheral equipment and/or incompatible software. Non-Canon brand peripheral equipment and software which may be distributed with, or factory loaded on, the Equipment, are sold 'AS IS' without warranty of any kind by Canon USA, including any implied warranty regarding merchantability or fitness for a particular purpose. The sole warranty with respect to such non-Canon brand items is given by the manufacturer or producer thereof. If the Equipment contains a hard disk drive, Canon USA recommends that data stored on that drive be duplicated or backed up to prevent its loss in the event of failure or other malfunction of such drive.**

In order to obtain warranty service, please contact the authorized Canon retail dealer from whom you purchased the Equipment or contact the CANON INFORMATION CENTER AT **855-CINE-EOS** (855-246-3367) or on the Internet at [pro.usa.canon.com/support](http://pro.usa.canon.com/support). You will be directed to the nearest service facility for your Equipment.

This Limited Warranty covers all defects encountered in normal use of the Equipment and does not apply in the following cases:

- A. Loss or damage to the Equipment due to abuse, mishandling, accident, improper maintenance, use of non-Canon accessories or failure to follow operating, maintenance or environmental instructions prescribed in Canon USA's user's manual;
- B. If the Equipment is defective as a result of leaking batteries, sand, dirt or water damage;
- C. If defects or damages are caused by the use of parts or supplies (other than those sold by Canon USA) that cause damage to the Equipment or that cause abnormally frequent service calls or service problems;
- D. If defects or damages are caused by service other than Canon USA's factory service centers or authorized service facilities;
- E. Any internal modification to product hardware or firmware;
- F. Any applicable fee for Maintenance of the Equipment;
- G. If the Equipment has had its serial number or dating altered or removed.

This Limited Warranty does not apply to Equipment purchased outside the United States. This Limited Warranty does not apply to accessories or consumables for the Equipment, which are sold "AS IS", without warranty of any kind by Canon USA. Please retain this warranty card and your Bill of Sale as a permanent record of your purchase. This card ensures that you are contacted promptly should there be a safety inspection, modification or product recall under applicable laws or regulations.

**NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE APPLIES TO THIS EQUIPMENT AFTER THE APPLICABLE PERIOD OF EXPRESS WARRANTY OR GUARANTY (EXCEPT AS MENTIONED ABOVE) GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS EQUIPMENT SHALL BIND THE UNDERSIGNED (SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU). CANON USA SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, INCLUDING WITHOUT LIMITATION, LOSS OR CORRUPTION OF DATA STORED ON THE EQUIPMENT'S HARD DRIVE, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE EQUIPMENT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON USA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON USA BE GREATER THAN THE PURCHASE PRICE OF THE EQUIPMENT SOLD BY CANON USA AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE, MISUSE OR INABILITY TO USE THE EQUIPMENT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CANON USA (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU). THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS EQUIPMENT OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT.**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

CANON U.S.A., INC.

## **CANON PROFESSIONAL DIGITAL VIDEO EQUIPMENT LIMITED WARRANTY FOR PRODUCTS PURCHASED IN CANADA**

The limited warranty set forth below is given by Canon Canada Inc. ('Canon Canada') with respect to Canon Professional Digital Video Equipment (the 'Equipment') packaged with this limited warranty and purchased in Canada. This limited warranty is only effective upon presentation of your Bill of Sale or other proof of purchase. The Equipment is warranted to the original end-user purchaser, when delivered in new condition in its original container, under normal use against defective materials or workmanship as follows:

**Parts:** Defective parts will be exchanged for new parts or comparable rebuilt parts for a period of ONE YEAR from the date of original purchase.

**Labor:** For a period of ONE YEAR from the date of original purchase, labor will be provided free of charge by Canon Canada's factory service center or designated service facilities located in Canada.

When returning Equipment under this warranty, you must pre-pay the shipping charges, and you must enclose a copy of the Bill of Sale or other proof of purchase with a complete explanation of the problem. During the ONE-YEAR warranty period, repairs will be made and the Equipment will be return-shipped to you free of charge. For repairs after the warranty period is over, you will be given an estimate of the cost of repair and an opportunity to approve or disapprove of the repair expense before it is incurred. If you approve, repairs will be made and the Equipment will be returned to you at your risk and expense. If you disapprove, we will return-ship the Equipment to you at no charge to you to an address within Canada.

**This limited warranty only applies if the Equipment is used in conjunction with compatible computer equipment and compatible software, as to which items Canon Canada will have no responsibility. Canon Canada shall have no responsibility under this limited warranty for use of the Equipment in conjunction with incompatible peripheral equipment and/or incompatible software. Non-Canon brand peripheral equipment and software which may be distributed with, or factory loaded on, the Equipment, are sold 'AS IS' without warranty of any kind by Canon Canada, including any implied warranty or condition regarding merchantability or fitness for a particular purpose. The sole warranty with respect to such non-Canon brand items is given by the manufacturer or producer thereof. If the Equipment contains a hard disk drive, Canon Canada recommends that data stored on that drive be duplicated or backed up to prevent its loss in the event of failure or other malfunction of such drive.**

In order to obtain warranty service, please contact the authorized Canon retail dealer from whom you purchased the Equipment or contact the CANON PROFESSIONAL SERVICE CENTRE 1-800-667-2666 or on the Internet at [www.canon.ca/pro](http://www.canon.ca/pro). You will be directed to the nearest service facility for your Equipment.

This Limited Warranty covers all defects encountered in normal use of the Equipment and does not apply in the following cases:

- A. Loss or damage to the Equipment due to abuse, mishandling, accident, improper maintenance, use of non-Canon accessories or failure to follow operating, maintenance or environmental instructions prescribed in Canon Canada's user's manual;
- B. If the Equipment is defective as a result of leaking batteries, sand, dirt or water damage;
- C. If defects or damages are caused by the use of parts or supplies (other than those sold by Canon Canada) that cause damage to the Equipment or that cause abnormally frequent service calls or service problems;
- D. If defects or damages are caused by service other than Canon Canada's factory service centers or authorized service facilities;
- E. Any internal modification to product hardware or firmware;
- F. Any applicable fee for Maintenance of the Equipment;
- G. If the Equipment has had its serial number or dating altered or removed.

This Limited Warranty does not apply to Equipment purchased outside Canada. This Limited Warranty does not apply to accessories or consumables for the Equipment, which are sold "AS IS", without warranty of any kind by Canon Canada. Please retain this warranty card and your Bill of Sale as a permanent record of your purchase. This card ensures that you are contacted promptly should there be a safety inspection, modification or product recall under applicable laws or regulations.

**NO IMPLIED WARRANTY OR CONDITION, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE APPLIES TO THIS EQUIPMENT AFTER THE APPLICABLE PERIOD OF EXPRESS WARRANTY OR GUARANTY (EXCEPT AS MENTIONED ABOVE) GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS EQUIPMENT SHALL BIND THE UNDERSIGNED (SOME PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU). CANON CANADA SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, INCLUDING WITHOUT LIMITATION, LOSS OR CORRUPTION OF DATA STORED ON THE EQUIPMENT'S HARD DRIVE, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE EQUIPMENT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON CANADA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON CANADA BE GREATER THAN THE PURCHASE PRICE OF THE EQUIPMENT SOLD BY CANON CANADA AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE, MISUSE OR INABILITY TO USE THE EQUIPMENT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CANON CANADA (SOME PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU). THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS EQUIPMENT OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT.**

This warranty gives you specific legal rights, and you may also have other rights which vary from province to province.

CANON CANADA INC.

# Canon

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52 (55) 5249-4905

## CANADA <http://www.canon.ca/pro>

CANON CANADA INC.

◆ Professional Product Support /  
Soutien des produits professionnels  
(800) 667-2666

## USA

CANON U.S.A., INC. <http://pro.usa.canon.com>  
<http://pro.usa.canon.com/support>  
(855) CINE-EOS (855-246-3367)  
(USA only)

- Visit your local Canon Web site to download the latest version of the full-version Instruction Manual (PDF file).
- Consultez votre site Web Canon local pour télécharger la version la plus récente de la version complète de ce mode d'emploi (fichier PDF).
- Para descargar la última versión del Manual de instrucciones completo (archivo PDF), visite su sitio web local de Canon.



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